

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

GRI-01-009

SERIAL NO.

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APPLICANT(S)

Raymond J. GORTE et al.

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11046 U.S. PTO  
09/864788

05/24/01

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,543,239	08/1996	Virkar et al.			
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	AD	5,306,411	04/1994	Mazanec et al.			
	AE	5,676,806	10/1997	Van Berkel et al.			
	AF	5,731,097	04/1994	Miyashita et al.			
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							YES	NO
	AL	00/13791	03/2000	PCT				
	AM	01 007475	01/1989	Japan (Abstract)				
	AN	338 823	10/1989	EPO				
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**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	K. Eguchi et al.: <i>Electrical properties of ceria-based oxides and their application to solid oxide fuel cells</i> , <i>Solid State Ionics</i> , 52, pp. 165-172, 1992.
	AS	M. Mogensen et al.: <i>Physical Properties of Mixed Conductor Solid Oxide Fuel Cell Anodes of Doped CeO<sub>2</sub></i> , <i>J. Electrochem. Soc.</i> , Vol. 141, No. 8, pp. 2122-2128, August 1994.
	AT	E.S. Putna et al.: <i>Ceria-Based Anodes for the Direct Oxidation of Methane in Solid Oxide Fuel Cells</i> , <i>Langmuir</i> , Vol. 11, No. 12, pp. 4832-4837, 1995.

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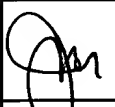


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	AR		R.T. Baker et al.: <i>Evaluation of perovskite anodes for the complete oxidation of dry methane in solid oxide fuel cells</i> , <u>Solid State Ionics</u> , 72, pp. 328-333, 1994.
	AS		K. Asano et al.: <i>A Novel Solid Oxide Fuel Cell System Using the Partial Oxidation of Methane</i> , <u>J. Electrochem. Soc.</u> , Vol. 142, No. 10, pp. 3241-3245, October 1995.
	AT		Y. Hiei et al.: <i>Partial oxidation of methane for internally reformed solid oxide fuel cell</i> , <u>Solid State Ionics</u> , Vol. 86-88, pp. 1267-1272, 1996.

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	AR	N.M. Sammes et al.: <i>Synthesis and properties of dense nickel and cobalt zirconia cermet anodes for solid oxide fuel cells</i> , <u>J. Mat. Sci</u> , 31, pp. 6069-6072, 1996.
	AS	C.H. Bartholomew: <i>Carbon Deposition in Steam Reforming and Methanation</i> , <u>Catal. Rev.--Sci. Eng.</u> , 24 (1), pp. 67-112, 1982.
	AT	T. Kawada et al: <i>Electrical properties of transition-metal-doped YSV</i> , <u>Solid State Ionics</u> , Vol. 53-56, pp. 418-425, 1992.

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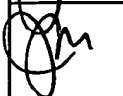
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	AR		T. Tsai et al.: <i>Effect of Mixed-Conducting Interfacial Layers on Solid Oxide Fuel Cell Anode Performance</i> , <u>J. Electrochem. Soc.</u> , Vol. 145, No. 5, pp. 1696-1701, May 1998.
	AS		H. Itoh et al.: <i>Configurational and Electrical Behavior of Ni-YSZ Cermet with Novel Microstructure for Solid Oxide Fuel Cell Anodes</i> , <u>J. Electrochem. Soc.</u> , Vol. 144, No. 2, pp. 641-646, February 1997.
	AT		H. Itoh et al.: <i>Improved Microstructure of Ni-YSZ Cermet Anode for SOFC with a Long Term Stability</i> , <u>Denki Kagaku</u> , Vol. 64, No. 6, pp. 549-554, 1996.

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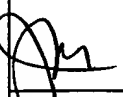


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	AR	M. Mogensen et al.: <i>Kinetic and geometric aspects of solid oxide fuel cell electrodes</i> , <u>Solid State Ionics</u> , Vol. 86-88, pp. 1151-1160, 1996.
	AS	M. Watanabe et al.: <i>High Performance Catalyzed-Reaction Layer for Medium Temperature Operating Solid Oxide Fuel Cells</i> , <u>J. Electrochem. Soc.</u> , Vol. 141, No. 2, pp. 342-346, February 1994.
	AT	R.T.K. Baker: <i>Catalytic Growth of Carbon Filaments</i> , <u>Carbon</u> , Vol. 27, No. 3, pp. 315-323, 1989.

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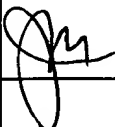
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	AR	H. Alqahtany et al.: <i>Methane Steam Reforming over Fe Electrodes in a Solid Electrolyte Cell</i> , <i>Energy &amp; Fuels</i> , 7, pp. 495-504, 1993.
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